



## Crystel Platinum

pure<sup>11</sup>-Nr.: 09021, Hersteller: Tristel



### Zusammenfassung

- Achtung: Dieses Produkt wurde vom Hersteller eingestellt. Wir beraten Sie zu Alternativen!
- Gebrauchsfertiges, oberflächenaktives Desinfektionsmittel
- Basierend auf quaternären Ammoniumverbindungen und Biguanid
- Gammabestrahlt, aseptisch abgefüllt und zweifach verpackt
- Bitte beachten: Desinfektionsmittel vorsichtig verwenden. Vor Gebrauch stets Etikett und Produktinformationen lesen.

### Empfohlene Reinraumklassen

|     |   |   |     |   |   |   |   |
|-----|---|---|-----|---|---|---|---|
| ISO | 3 | 4 | 5   | 6 | 7 | 8 | 9 |
| GMP |   |   | A/B |   | C | D |   |

### Produktvarianten

pure<sup>11</sup>-Nr.: 09021

Herst.-Nr.: CRY110 / VE: 6 Stück

Quelle: <https://www.pure11.de/crystel-platinum>

# PLATINUM

**Ein abwechselnd anwendbares Flüssigdesinfektionsmittel das oberflächenaktive Mittel und eine Mischung aus quartären Ammoniumverbindungen (QAC) und Biguanid zur Desinfektion der Umgebung und der Oberflächen enthält.**

## EMPFOHLENE ANWENDUNG

Platinum eignet sich ideal zur Desinfektion von produktberührenden Oberflächen, Befüllungs- und Fertigungsanlagen, Wänden, Böden und Abflüsse und kann zum Scheuern, Wischen, Einweichen oder Sprühen verwendet werden.

Die sterilen Produkte sind besonders empfehlenswert für Wände, Böden und Geräte.

Platinum kann bedenkenlos auf Oberflächen in pharmazeutischen Betrieben und Unternehmen für Körperpflegeprodukte verwendet werden.

## GEBRAUCHSANWEISUNG

Alle Packungen nur zur Verwendung auf vorgereinigte Oberflächen. Muss die vorgeschriebene Zeitdauer einwirken. Nur zum beruflichen Gebrauch, detaillierte Gebrauchshinweise finden Sie auf dem Produktetikett und dem Produktauswahlblatt.

## STANDARDS UND RICHTLINIEN

**Das Produkt ist registriert oder entspricht den folgenden Richtlinien:**

- BS EN ISO 9001 :2008
- Biozid-Richtlinie 98/8/EG
- 1907/2006/EG REACH (Registrierung, Bewertung, Zulassung und Beschränkung chemischer Stoffe)

## PRODUKTANALYSE

**Die folgenden Tests wurden am Produkt durchgeführt:**

- Mindesthaltbarkeitstest
- Vor-Ort-Analytik
- HPLC - Hochleistungsflüssigkeitschromatographie
- TOC - Gesamter organischer Kohlenstoff
- Graphique relatif à la facilité de rinçage
- Auswaschbarkeit
- COD - Chemischer Sauerstoffbedarf
- Stickstoff-/Phosphorgehalt
- Untersuchungen zur Zersetzung

## MIKROBIOLOGISCHE TESTDATEN

- EN1276
- EN1650
- EN13697
- Validierung der Sterilität (nur für sterile Produkte)



| PACKUNGSGRÖßEN                                                                          | STERIL / UNSTERIL | VERDÜNNUNG                          | PRODUKTCODE   | PACKUNGEN PRO PALETTE |
|-----------------------------------------------------------------------------------------|-------------------|-------------------------------------|---------------|-----------------------|
| 50x  | Steril            | Konzentrat, Verdünnung auf 2% v/v   | <b>CRY109</b> | 48                    |
| 6x   | Steril            | Gebrauchsfertige 2% Lösung          | <b>CRY110</b> | 72                    |
| 2x   | Steril            | Gebrauchsfertige 2% Lösung          | <b>CRY111</b> | 72                    |
| 2x   | Unsteril          | Konzentrat, Verdünnung auf 1-2% v/v | <b>CRY205</b> | 72                    |
|      | Unsteril          | Konzentrat, Verdünnung auf 1-2% v/v | <b>CRY202</b> | 32                    |
|      | Unsteril          | Konzentrat, Verdünnung auf 1-2% v/v | <b>CRY215</b> | 4                     |
|      | Unsteril          | Konzentrat, Verdünnung auf 1-2% v/v | <b>CRY216</b> | N/A                   |

## ZERTIFIZIERUNG

- Analysezertifikat mit jeder Charge
- Überprüfung zur Sterilität (nur für sterile Produkte)

## Section 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product name:** PLATINUM

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Use of substance / mixture:** Disinfectant solution. For professional use only. Uses advised against: Uses other than the intended use of the product

### 1.3. Details of the supplier of the safety data sheet

**Company name:** Tristel Solutions Limited

Lynx Business Park

Fordham Road

Newmarket

Cambridgeshire

CB8 7NY

United Kingdom

**Tel:** +44 (0) 1638 721 500

**Fax:** +44 (0) 1638 721 911

**Email:** healthandsafety@tristel.com

### 1.4. Emergency telephone number

**Emergency tel:** +44 (0) 1638 721 500

(office hours only)

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification under CLP:** Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 3: H412; Carc. 2: H351; Skin Corr. 1B: H314; Skin Sens. 1B: H317; STOT RE 2: H373

**Classification under CHIP:** Xn: R20; C: R34; Xn: R40; Sens.: R43; Xn: R48/20; N: R50; -: R52/53

**Most important adverse effects:** Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause damage to organs through prolonged or repeated exposure (inhalation). Suspected of causing cancer. Very toxic to aquatic life. Harmful to aquatic life with long lasting effects.

### 2.2. Label elements

**Label elements under CLP:**

**Hazard statements:** H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

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H317: May cause an allergic skin reaction.

H373: May cause damage to organs through prolonged or repeated exposure (inhalation).

H351: Suspected of causing cancer.

H400: Very toxic to aquatic life.

H412: Harmful to aquatic life with long lasting effects.

**Signal words:** Danger

**Hazard pictograms:** GHS05: Corrosion

GHS07: Exclamation mark

GHS08: Health hazard

GHS09: Environmental



**Precautionary statements:** P260: Do not breathe mist/spray.

P280: Wear protective gloves/protective clothing/eye protection.

P303+361+353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.

P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+313: IF exposed or concerned: Get medical advice.

### 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

C9-C11 ALCOHOL ETHOXYLATE (6)

| EINECS | CAS        | CHIP Classification | CLP Classification                   | Percent |
|--------|------------|---------------------|--------------------------------------|---------|
| -      | 68439-46-3 | -                   | Acute Tox. 4: H302; Eye Dam. 1: H318 | 1-10%   |

PROPAN-2-OL

|           |         |   |                                                         |       |
|-----------|---------|---|---------------------------------------------------------|-------|
| 200-661-7 | 67-63-0 | - | Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336 | 1-10% |
|-----------|---------|---|---------------------------------------------------------|-------|

[cont...]

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## DIDECYLDIMETHYLAMMONIUM CHLORIDE

|           |           |   |                                         |       |
|-----------|-----------|---|-----------------------------------------|-------|
| 230-525-2 | 7173-51-5 | - | Acute Tox. 4: H302; Skin Corr. 1B: H314 | 1-10% |
|-----------|-----------|---|-----------------------------------------|-------|

## N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE

|           |           |   |                                                                                                  |       |
|-----------|-----------|---|--------------------------------------------------------------------------------------------------|-------|
| 219-145-8 | 2372-82-9 | - | Acute Tox. 3: H301; Skin Corr. 1A: H314; Aquatic Acute 1: H400; STOT SE 2: H371; STOT RE 2: H373 | 1-10% |
|-----------|-----------|---|--------------------------------------------------------------------------------------------------|-------|

## ALKYL(C12-16)DIMETHYLBENZYLAMMONIUM CHLORIDE

|           |            |   |                                                                |       |
|-----------|------------|---|----------------------------------------------------------------|-------|
| 270-325-2 | 68424-85-1 | - | Acute Tox. 4: H302; Skin Corr. 1B: H314; Aquatic Acute 1: H400 | 1-10% |
|-----------|------------|---|----------------------------------------------------------------|-------|

## POLYMERIC BIGUANIDE HYDROCHLORIDE

|   |            |   |                                                                                                                                                               |       |
|---|------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| - | 27083-27-8 | - | Acute Tox. 4: H302; Acute Tox. 2: H330; Skin Sens. 1B: H317; Eye Dam. 1: H318; STOT RE 1: H372; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Carc. 2: H351 | 1-10% |
|---|------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|

## ALKYL DIMETHYL ETHYLBENZYL AMMONIUM CHLORIDE

|           |            |   |                                                                |       |
|-----------|------------|---|----------------------------------------------------------------|-------|
| 287-090-7 | 85409-23-0 | - | Acute Tox. 4: H302; Skin Corr. 1B: H314; Aquatic Acute 1: H400 | 1-10% |
|-----------|------------|---|----------------------------------------------------------------|-------|

## N,N-DIDECYL-N,N-DIMETHYLAMMONIUM CARBONATE

|           |             |   |                                                                |       |
|-----------|-------------|---|----------------------------------------------------------------|-------|
| 451-900-9 | 894406-76-9 | - | Acute Tox. 3: H301; Skin Corr. 1B: H314; Aquatic Acute 1: H400 | 1-10% |
|-----------|-------------|---|----------------------------------------------------------------|-------|

## ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDE

|           |            |   |                                                                                    |       |
|-----------|------------|---|------------------------------------------------------------------------------------|-------|
| 269-919-4 | 68391-01-5 | - | Skin Corr. 1B: H314; Acute Tox. 4: H312; Aquatic Acute 1: H400; Acute Tox. 4: H302 | 1-10% |
|-----------|------------|---|------------------------------------------------------------------------------------|-------|

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Wash out mouth with water. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

### 4.2. Most important symptoms and effects, both acute and delayed

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

[cont...]

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**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

## 4.3. Indication of any immediate medical attention and special treatment needed

**Immediate / special treatment:** Eye bathing equipment should be available on the premises.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

### 5.2. Special hazards arising from the substance or mixture

**Exposure hazards:** In combustion emits toxic fumes.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS. Refer to section 13 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

[cont...]

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## 7.3. Specific end use(s)

**Specific end use(s):** Disinfectant Solution. For professional use only.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Hazardous ingredients:**

**PROPAN-2-OL**

**Workplace exposure limits:**

**Respirable dust**

| State | 8 hour TWA | 15 min. STEL | 8 hour TWA | 15 min. STEL |
|-------|------------|--------------|------------|--------------|
| UK    | 999 mg/m3  | 1250 mg/m3   | -          | -            |

### DNEL/PNEC Values

**DNEL / PNEC** No data available.

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Liquid

**Colour:** Colourless

**Evaporation rate:** No data available.

**Oxidising:** No data available.

**Solubility in water:** No data available.

**Viscosity:** No data available.

**Boiling point/range °C:** No data available.

**Flammability limits %: lower:** No data available.

**Flash point °C:** No data available.

**Autoflammability °C:** No data available.

**Relative density:** 0.900-1.100

**VOC g/l:** No data available.

**Melting point/range °C:** No data available.

**upper:** No data available.

**Part.coeff. n-octanol/water:** No data available.

**Vapour pressure:** No data available.

**pH:** 9-11

### 9.2. Other information

**Other information:** No data available.

[cont...]

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## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.  
Decomposition may occur on exposure to conditions or materials listed below.

### 10.4. Conditions to avoid

**Conditions to avoid:** Heat.

### 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents. Strong acids.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Hazardous ingredients:**

#### C9-C11 ALCOHOL ETHOXYLATE (6)

|      |     |      |          |       |
|------|-----|------|----------|-------|
| ORAL | RAT | LD50 | 200-2000 | mg/kg |
|------|-----|------|----------|-------|

#### PROPAN-2-OL

|     |     |      |      |       |
|-----|-----|------|------|-------|
| IVN | RAT | LD50 | 1088 | mg/kg |
| ORL | MUS | LD50 | 3600 | mg/kg |
| ORL | RAT | LD50 | 5045 | mg/kg |
| SCU | MUS | LDLO | 6    | gm/kg |

#### DIDECYLDIMETHYLAMMONIUM CHLORIDE

|     |     |      |     |       |
|-----|-----|------|-----|-------|
| IPR | RAT | LD50 | 45  | mg/kg |
| ORL | MUS | LD50 | 268 | mg/kg |

#### N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE

|      |     |      |     |       |
|------|-----|------|-----|-------|
| ORAL | RAT | LD50 | 261 | mg/kg |
|------|-----|------|-----|-------|

[cont...]

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## POLYMERIC BIGUANIDE HYDROCHLORIDE

|      |     |      |       |       |
|------|-----|------|-------|-------|
| ORAL | RAT | LD50 | >2000 | mg/kg |
|------|-----|------|-------|-------|

### Relevant effects for mixture:

| Effect                   | Route       | Basis                 |
|--------------------------|-------------|-----------------------|
| Acute toxicity (harmful) | INH         | Hazardous: calculated |
| Corrosivity              | OPT INH DRM | Hazardous: calculated |
| Sensitisation            | DRM         | Hazardous: calculated |
| Repeated dose toxicity   | INH         | Hazardous: calculated |

### Symptoms / routes of exposure

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

## Section 12: Ecological information

### 12.1. Toxicity

#### Hazardous ingredients:

#### C9-C11 ALCOHOL ETHOXYLATE (6)

|         |          |      |      |
|---------|----------|------|------|
| DAPHNIA | 48H EC50 | 1-10 | mg/l |
| FISH    | 96H LC50 | 1-10 | mg/l |

#### N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE

|      |          |      |      |
|------|----------|------|------|
| FISH | 96H LC50 | 0.68 | mg/l |
|------|----------|------|------|

#### ALKYL(C12-16)DIMETHYLBENZYLAMMONIUM CHLORIDE

|               |          |       |      |
|---------------|----------|-------|------|
| Daphnia magna | 48H EC50 | 0.016 | mg/l |
|---------------|----------|-------|------|

### 12.2. Persistence and degradability

**Persistence and degradability:** Not biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** Bioaccumulation potential.

### 12.4. Mobility in soil

**Mobility:** Readily absorbed into soil.

[cont...]

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## 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

## 12.6. Other adverse effects

**Other adverse effects:** Toxic to aquatic organisms. Toxic to soil organisms.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

### 14.1. UN number

**UN number:** UN1903

### 14.2. UN proper shipping name

**Shipping name:** DISINFECTANT, LIQUID, CORROSIVE, N.O.S.

### 14.3. Transport hazard class(es)

**Transport class:** 8

### 14.4. Packing group

**Packing group:** II

### 14.5. Environmental hazards

**Environmentally hazardous:** Yes

**Marine pollutant:** No

### 14.6. Special precautions for user

**Special precautions:** No special precautions.

**Tunnel code:** E

**Transport category:** 2

## Section 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**Specific regulations:** This product has been classified in accordance with CLP and CHIP regulations and compiled in accordance with Annex II of REACH.

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

[cont...]

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## Section 16: Other information

### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** H225: Highly flammable liquid and vapour.  
H301: Toxic if swallowed.  
H302: Harmful if swallowed.  
H312: Harmful in contact with skin.  
H314: Causes severe skin burns and eye damage.  
H317: May cause an allergic skin reaction.  
H318: Causes serious eye damage.  
H319: Causes serious eye irritation.  
H330: Fatal if inhaled.  
H336: May cause drowsiness or dizziness.  
H351: Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.  
H372: Causes damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.  
H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.  
H400: Very toxic to aquatic life.  
H410: Very toxic to aquatic life with long lasting effects.  
H412: Harmful to aquatic life with long lasting effects.  
R20: Harmful by inhalation.  
R34: Causes burns.  
R40: Limited evidence of a carcinogenic effect.  
R43: May cause sensitisation by skin contact.  
R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.  
R50: Very toxic to aquatic organisms.  
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Legend to abbreviations:** PNEC = predicted no effect level  
DNEL = derived no effect level  
LD50 = median lethal dose  
LC50 = median lethal concentration

[cont...]

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EC50 = median effective concentration

IC50 = median inhibitory concentration

dw = dry weight

bw = body weight

cc = closed cup

oc = open cup

MUS = mouse

GPG = guinea pig

RBT = rabbit

HAM = hamster

HMN = human

MAM = mammal

PGN = pigeon

IVN = intravenous

SCU = subcutaneous

SKN = skin

DRM = dermal

OCC = ocular/corneal

PCP = physico-chemical properties

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.